

Double Duty

Migrating an IR and Building a Digital Collections Platform in One Instance of Islandora

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Where we started


- Dspace repository (since 2012)
- Little faculty buy-in
- Complicated collections & permissions structures
- Not much archival material
- Sustainability concerns

repository.iit

repository.iit > Research > Graduate Student Publications, Pre-prints, and Posters > View Item

Empirical Modeling of Public Safety to Voice Traffic to Aid Emergency Capacity




[View/Open](#)
 **Research Poster (3.523Mb)**

Date
2012-04-18

Author
Taher, Tanim
Bacchus, Roger

Metadata
[Show full item record](#)



An RF measurement system with high time resolution is implemented to determine the statistical characteristics of various channels in the Land Mobile Radio bands. The applicability of simple statistical models to the observed data is investigated, as well as their validity over short and long periods of time. The results show that the statistics of the idle and holding times of communication on these channels vary significantly over time and demonstrate daily periodicity, requiring non-stationary models to accurately represent them. Over short durations of time however, conventional distributions such as the exponential and lognormal may adequately characterize the properties of these quantities, allowing convenient and compact representations of the data. Results based on empirical data are presented to quantify the probability of stationarity for voice traffic within a time span of given length. The findings are useful for network planning or streamlining, network simulation and modeling, and investigation of dynamic spectrum access.

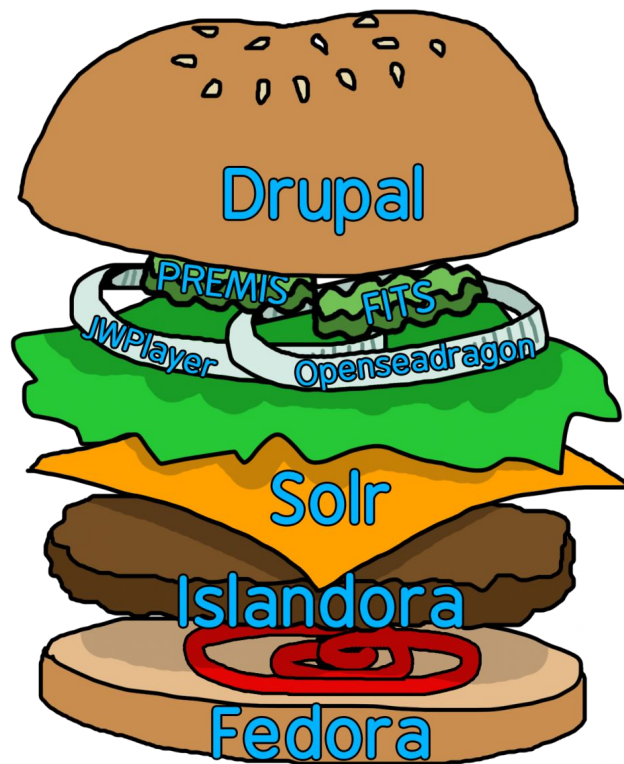
URI
<http://hdl.handle.net/10560/2765>

Collections
[Graduate Student Publications, Pre-prints, and Posters](#)

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Why Islandora?

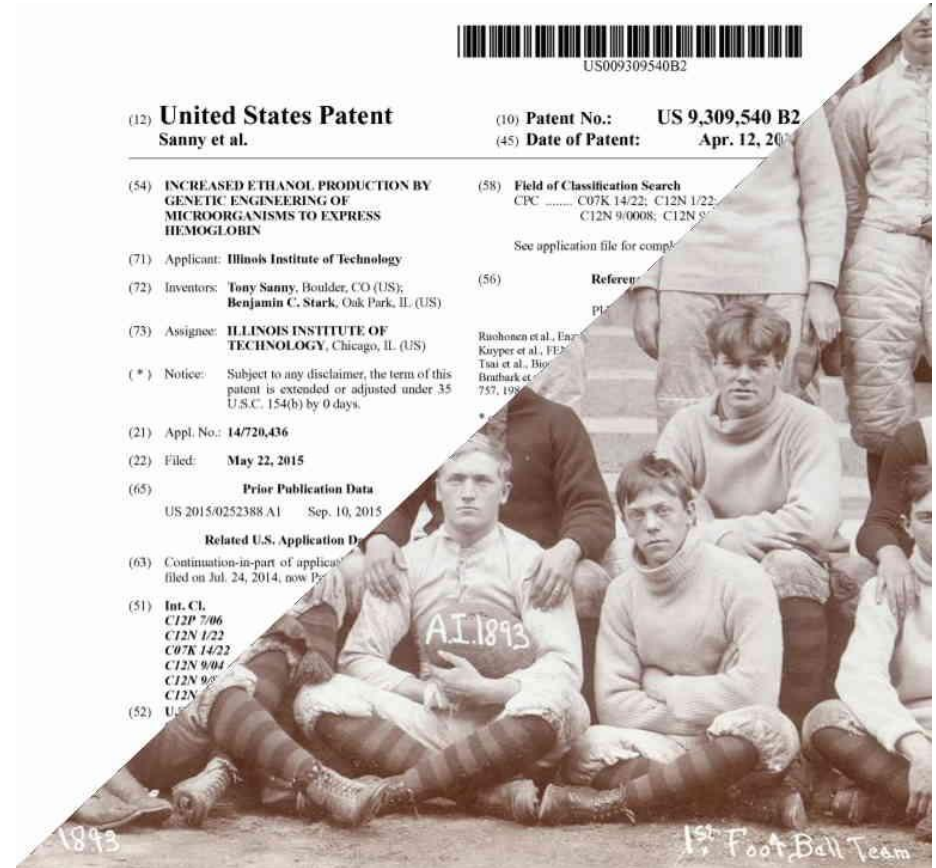
- Familiarity with Drupal
- Flexible and customizable
- CAS integration = simplified user accounts
- Handle.net module for PURLs
- Open Source



Islandora cheeseburger courtesy of
islandora.ca

Two-in-One

- We didn't have the resources to implement 2 platforms at once
- Archives collections = guaranteed use
- Comfort with adaptation and taking risks
- Proof that it could be done



1 Bucket vs. 2 Doors

- Archives landing page for customized portal to archival material
- Collections search module allows users to target one “side” or search everything
- Decided against more explicit division between the two

REPOSITORY.IIT

HOME

Search the repository

All collections ▼
All collections
Institutional Repository
University Archives and Special Collections

Type

Still image (77)
Sound (2)

itecture an

Throughout Illinois
been closely linked.
landmarks, campus
drawn inspiration a

Though University A
Rohe, we do hold cc

Metadata

- 1 MODS schema, 2 types of material
- Targeted unused, repeatable fields
- Created multiple metadata transforms based on different uses of MODS
- Needed to find “good enough” and decide to be okay with it

Collection

Office of Communications and Marketing photographs, 1905-1999 (102)

Building History project (buildinghistory.iit.edu) (61)

Howard LeVant papers, 1950-2009 (51)

Robert Philip Gordon papers, 1963-2010 (47)

John T. Rettaliata student protest photographs, 1970 (13)

Celebrating Our Successes Mini-Conference 2016 (12)

Lewis Institute records, 1827-1984 (9)

William Kessler photographs, 1942 (9)

Institute of Design Records, 1937-ca. 1962 (5)

Mies Centennial records, 1969-1986 (5)

Dan Ryan collection, 1954-1980 (4)

Institute of Design records, 1937-ca. 1962 (4)

Marvin Camras papers, 1940-ca. 1990 (3)

Canned SOLR Searches

- Unsatisfied with built-in SOLR collection view
- Used canned SOLR searches for archival collection landing pages
- Descriptions rely on URL-specific blocks

Refine Results

Type

[Still image \(11\)](#)

Date

1901 - 1946
(5 years)



FILTER

Specify date range: Show

Department

[Illinois Tech Libraries \(11\)](#)

Subject

[Lewis Institute \(Chicago, Ill.\) \(7\)](#)
[College buildings \(3\)](#)
[College students \(3\)](#)
[Lost architecture \(3\)](#)
[De Forest, Lee, 1873-1961 \(2\)](#)

[Show more](#)

Creator

[Arnold, A.E. \(1\)](#)
[Loop Photo Service \(1\)](#)

Lewis Institute

The Lewis Institute was a technical and professional college that served the greater Chicago area from 1896 to 1940. In 1940 it merged with Armour Institute of Technology to form the Illinois Institute of Technology. The Lewis Institute was created by the bequest of Chicago business Allen Cleveland Lewis (1821-1877), who willed his estate to the creation of a school of higher learning open to all men and women regardless of finances or social standing. The Lewis Institute was subsequently established in 1896 in a building designed by Henry Ives Cobb on the corner of Madison St. and Robey St. (now Damen Ave.). By 1906 Lewis Institute expanded into three main areas of study: General Science (which included Domestic Arts), Liberal Arts, and Engineering and Mechanical Arts. In 1917 the school began offering a four year bachelor's degree in Arts & Sciences in addition to Engineering. All of these programs, including Domestic Arts, focused on a practical professional education for both male and female students. Lewis Institute had a diverse and active student body.

Archival holdings related to the Lewis Institute largely consist of administrative and student records, yearbooks, and the papers of Lewis alumni and faculty.

SEARCH RESULTS

(1 - 11 of 11)



Title	Office personnel, 1941-1942
Date	1941-1942
Description	Photograph of office personnel of the Lewis Institute. Rear of photograph identifies the subjects as (standing) Stanley Stelzer(?), Prue... Show more
Collection	Lewis Institute records, 1827-1984
Isl. Collection	Lewis Institute
Type	Still image



Title	Edwin Lewis and Le de Forest, 1937
Date	1937
Description	Photography of Edwin Lewis (left) and Lee de Forest (right). Lewis was a faculty member at the Lewis Institute and held various administrative... Show more
Collection	Lewis Institute records, 1827-1984
Isl. Collection	Lewis Institute
Type	Still image

Permissions

- Simplified permissions matrix
- ETDs got their own collection with downloads restricted via CAS
- Archives TIFFs restricted to staff/admins
- Archives staff portal created to stash material that we can't make available

Download

File	Size	Format
MODS Metadata Record	2.95 KiB	application/xml
File Restricted	52.06 MiB	image/tiff
Dublin Core Metadata Record	1.63 KiB	text/xml
Medium sized JPEG	204.22 KiB	image/jpeg

One Item, Multiple Bitstreams

- In Islandora each object has one datastream
- We had lots of compound objects in Dspace (1 object, multiple files)
- Used Islandora Compound Object (parent/children) model for some
- Zipped others into single file and deposited as binary object

Part of

Crop to Cup Coffee: Building Communities through Coffee (Semester 2) IPRO 333 (7 objects)

Related Items



Crop to Cup Coffee: Building Communities through Coffee (Semester 2) IPRO 333: BuildingCommunitieThroughCoffeeIPRO333Brochure1Su10



Crop to Cup Coffee: Building Communities through Coffee (Semester 2) IPRO 333: BuildingCommunitieThroughCoffeeIPRO333Brochure2Su10



Crop to Cup Coffee: Building Communities through Coffee (Semester 2) IPRO 333: BuildingCommunitieThroughCoffeeIPRO333MidTermPresentationSu10



Crop to Cup Coffee: Building Communities through Coffee (Semester 2) IPRO 333: BuildingCommunitieThroughCoffeeIPRO333Poster1Su10



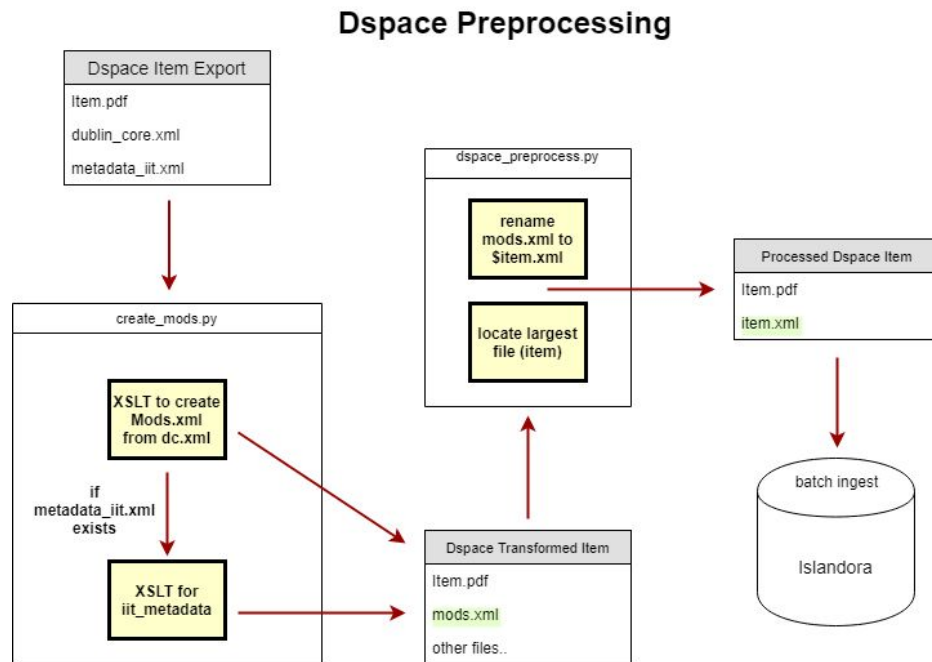
Crop to Cup Coffee: Building Communities through Coffee (Semester 2) IPRO 333: BuildingCommunitieThroughCoffeeIPRO333Poster2Su10



Crop to Cup Coffee: Building Communities through Coffee (Semester 2) IPRO 333: BuildingCommunitieThroughCoffeeIPRO333Poster3Su10

Other Challenges

- Difficulties with xml forms module for metadata entry & editing
- Data migration from Dspace to Islandora
- Staff turnover



What We'd Do Differently

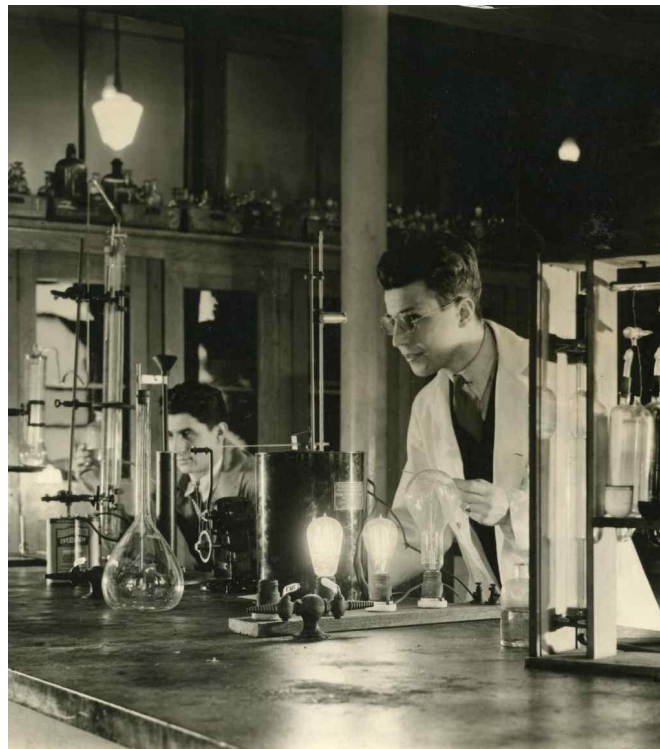
- Make the xml forms module work for us
- More big-picture thinking and exploration of unintended consequences
- Integrate Islandora Scholar module from the start



Aerial view of the Armour Institute campus, 1940

What's Gone Well

- User testing calmed some UX fears
- Google form working well for deposit
- 300+ items ingested from the archives



Students in Lewis Institute chemistry lab, early 1900s
Lewis Institute records, 1827-1984

Thanks!

The Islandora team:

Katie Ediger

Alicia Esquivel

Tim Fluhr

Paul Go

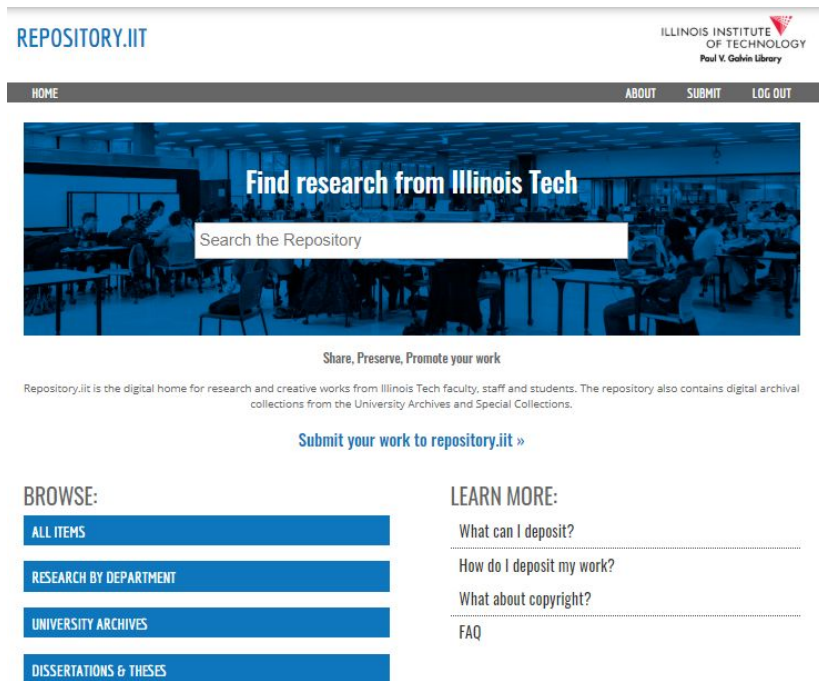
Max King

Adam Strohm

Our intrepid practicum student and UX tester:

Sarah Kimes

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